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SOVIET PLANTS PRODUCE HAY MACHINERY, GRAIN-PROCESSING EQUIPMENT

BUILD HAY STACKERS -- Moscow, Mashinno-Traktornaya Stantsiya, May 53

A large number of STU-0.7 tractor-drawn hay stackers and SKP-0.15 crane  
 hay stackers have been supplied to MTS and sovkhozes in 1953.

PLANT FAILS TO FULFILL QUOTA -- Moscow, Trud, 18 Aug 53

The Gomel' Gomsel'mash Plant fails to produce hundreds of hay stackers and  
 sweep rakes badly needed in preparation of forage for animal husbandry. The  
 plant also chronically fails to meet its plans for reducing costs of labor and  
 materials. Machines and men are idle at the beginning of the month but toward  
 the end of the month the men work overtime and the machines are overloaded. Over-  
 time payments to workers bring salaries for the month over the plant's allotted  
 sum, and overloading of machines increases the number of rejects.

SWEEP RAKES READY -- Riga, Sovetskaya Latvija, 22 Aug 53

The Riga Imanta Plant is producing sweep rakes for mounting on the U-2  
 tractor. The rake is designed to follow a grain combine and collect straw  
 for stacking. The order for rakes was received a month ago and the rakes  
 are ready for shipment to kolkhozes.

PRODUCE MACHINES FOR HANDLING HAY -- Tashkent, Pravda Vostoka, 2 Sep 53

The Frunze Agricultural Machine Building Plant is series producing uni-  
 versal tractor hay stackers. The Osh machine workshop has produced its first  
 group of hay stackers. The Belovodskiy Rayon machine workshop and the  
 Kurshubskiy Rayon machine workshop are producing special conveyers for stowage  
 of hay and straw.

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ELECTROMAGNETIC MACHINE FOR CLEANING GRASS SEEDS -- Moscow, Mashinno-Traktornaya Stantsiya, Feb 53

Many MTS in the USSR are equipped with electromagnetic seed-cleaning machines. The machine separates weed seeds from the seeds of clover and alfalfa. Preliminary cleaning of leaves, stalks, and other waste from the seeds must be done by the Triumf or the Kuskuta graders, the VS-2 winnower, and the OS-1 seed cleaner.

Clover, alfalfa, or other seeds are poured into a receptacle, from which the seeds are conveyed up to the hopper. From the hopper, the seeds are fed in an even flow to a mixing conveyor which is supplied with metallic powder by special equipment. The metallic powder adheres to coarse and damaged seeds. From the mixing conveyor, the seeds move into the electromagnetic drum which retains seeds with the metallic powder attached to them and then routes them through an outlet into a receiver. On leaving the magnetic field, the metallic powder falls from the seeds into a receptacle. The undamaged, smooth clover or alfalfa seeds roll off the magnetic drum into the receptacle for cleaned seeds.

The electromagnetic cleaning machine cleans from 150 to 200 kilograms of seeds per hour, depending on the waste present in the seeds to be cleaned. One to two kilograms of metallic powder are used for each centner of seeds to be cleaned. -- V. Roslyakov

GRAIN CLEANER IMPROVED -- Moscow, Pravda, 18 Aug 53

The Voronezh Voronezhskel'mash Plant has improved the design of the VIM grain cleaner and grader. The new sieve equipment makes it possible to grade beans, oil seeds, and sugar-beet seeds, in addition to grain seeds. The improved VIM cleaner and grader is smaller in size and 300 kilograms lighter than the old model. The plant saves 122 kilograms of metal on each new VIM cleaner and grader it produces.

IMPROVED AGRICULTURAL MACHINES -- Frunze, Sovetskaya Kirgiziya, 2 Sep 53

The Khar'kov Serp i Molot Plant has designed special laborsaving devices for threshers. These devices deliver sheaves of grain onto a chain conveyor which carries the sheaves to the cutter, then to the threshing cylinder. Each of the new devices frees ten workers for other jobs. Specially designed ball bearings and conveyor links have doubled the life of straw racks on threshing machines. Durability of 14 other parts on threshing machines has been increased.

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